

Data Path : Z:\HPCHEM1\BNA F\Data\BF091516\
 Data File : BF090088.D
 Acq On : 15 Sep 2016 13:22
 Operator : UM/SJ
 Sample : H4761-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-1

Quant Time: Sep 15 13:46:06 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 09:41:41 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

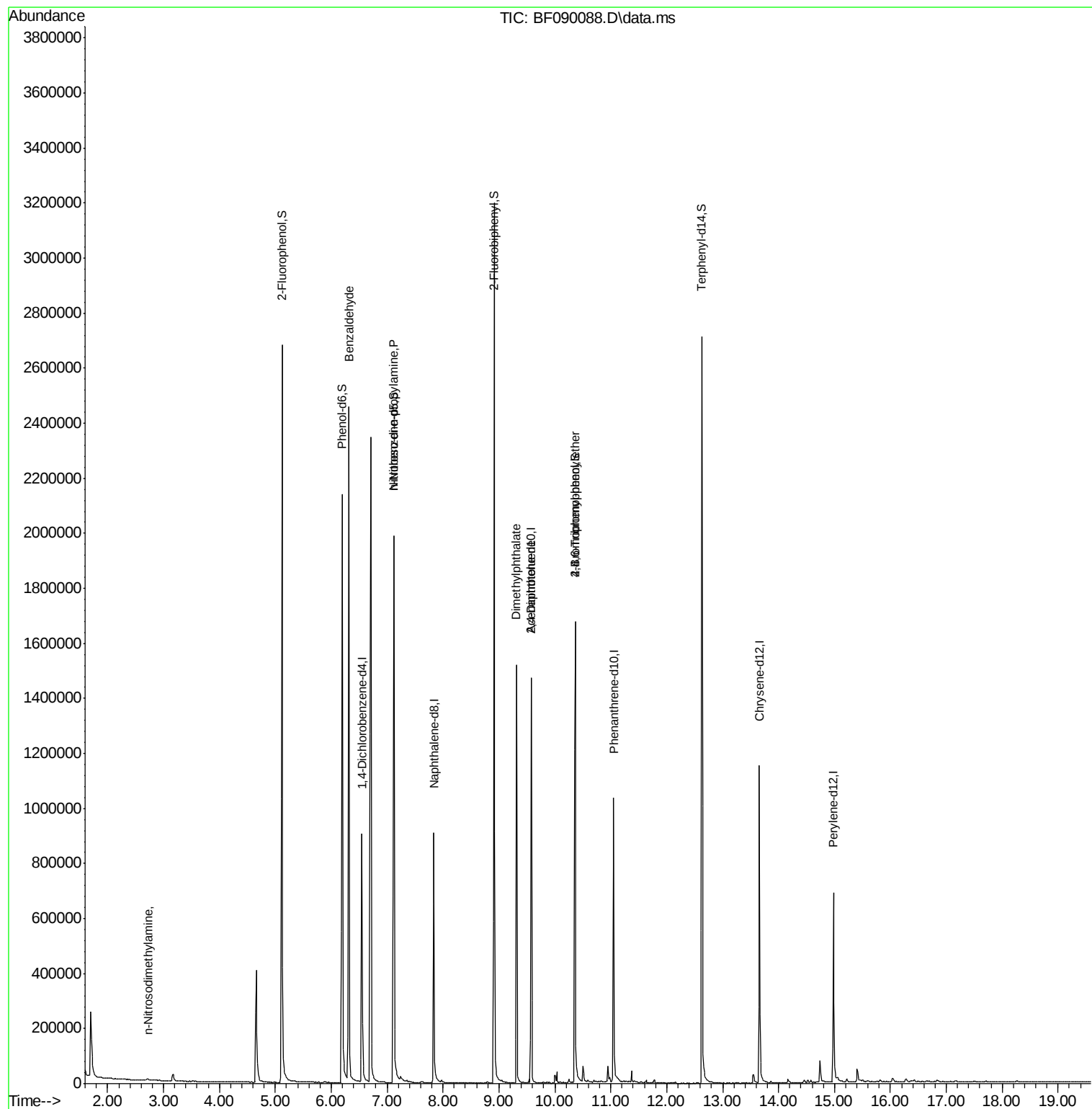
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.547	152	158865	20.00	ng	0.00
21) Naphthalene-d8	7.839	136	635068	20.00	ng	0.00
38) Acenaphthene-d10	9.576	164	295770	20.00	ng	-0.01
63) Phenanthrene-d10	11.051	188	569223	20.00	ng	0.00
75) Chrysene-d12	13.657	240	456365	20.00	ng	-0.01
86) Perylene-d12	14.983	264	315276	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.119	112	991357	100.36	ng	0.00
7) Phenol-d6	6.193	99	1476303	114.16	ng	-0.01
23) Nitrobenzene-d5	7.119	82	836646	74.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.365	330	311230	104.76	ng	-0.01
44) 2-Fluorobiphenyl	8.913	172	1207029	64.09	ng	-0.01
78) Terphenyl-d14	12.628	244	1071667	55.77	ng	-0.01
Target Compounds						
4) n-Nitrosodimethylamine	2.730	42	206	3.14	ng	Qvalue # 1
9) Benzaldehyde	6.319	77	22111	3.21	ng	82
19) n-Nitroso-di-n-propyla...	7.119	70	101294	12.60	ng	# 79
49) Dimethylphthalate	9.313	163	633788	28.85	ng	98
56) 2,4-Dinitrotoluene	9.576	165	37552	6.27	ng	# 15
66) 4-Bromophenyl-phenylether	10.365	248	17359	3.16	ng	# 1

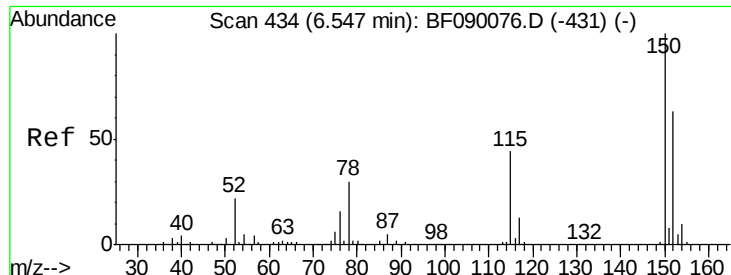
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.547 min Scan# 43

Delta R.T. 0.000 min

Lab File: BF090088.D

Acq: 15 Sep 2016 13:22

Instrument :

BNA_F

ClientSampleId :

UST-1

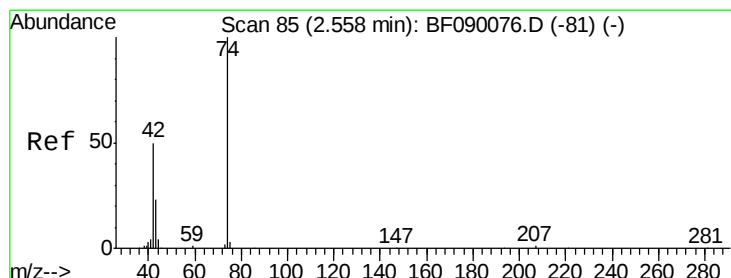
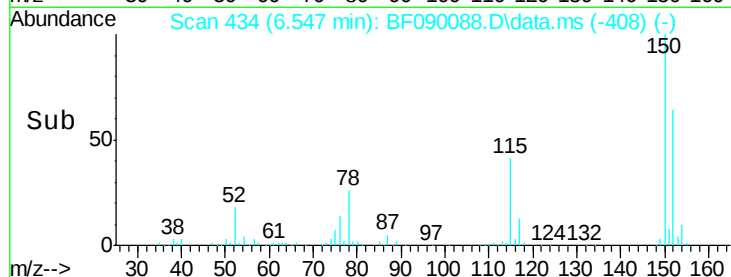
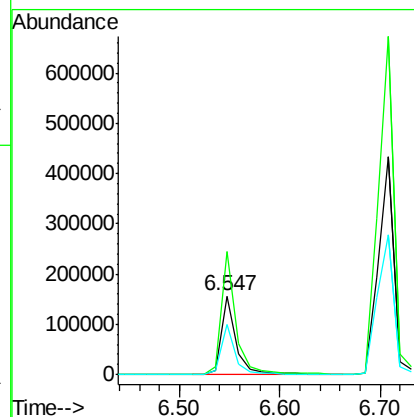
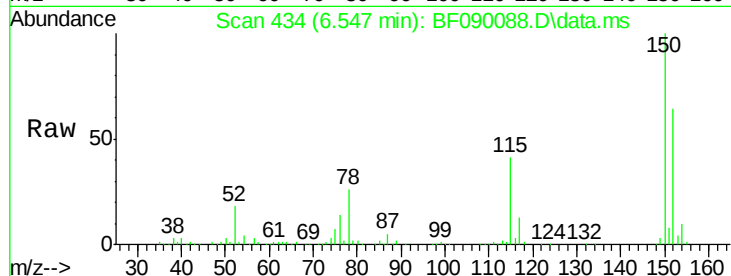
Tot Ion:152 Resp: 158865

Ion Ratio Lower Upper

152 100

150 156.6 128.9 193.3

115 63.9 55.5 83.3



#4

n-Nitrosodimethylamine

Concen: 3.14 ng

RT: 2.730 min Scan# 100

Delta R.T. 0.172 min

Lab File: BF090088.D

Acq: 15 Sep 2016 13:22

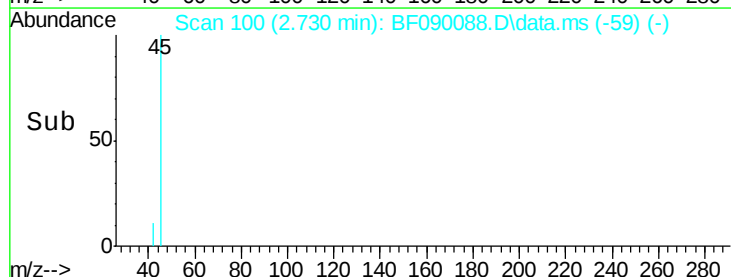
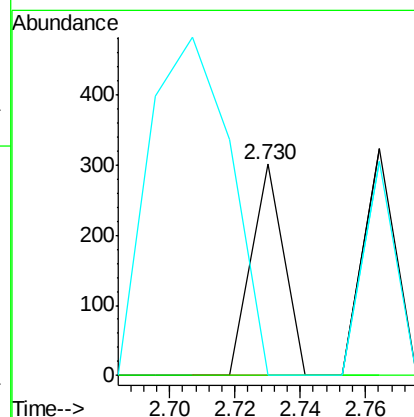
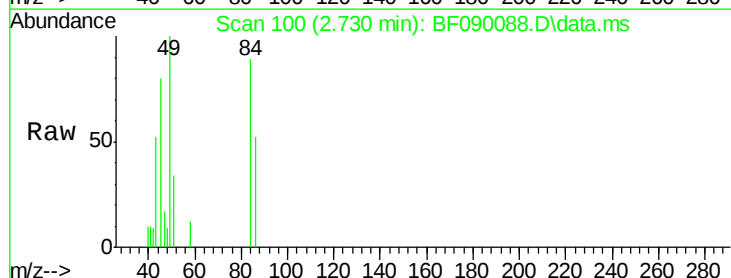
Tgt Ion: 42 Resp: 206

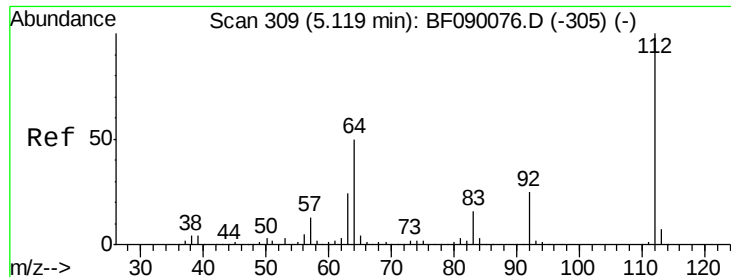
Ion Ratio Lower Upper

42 100

74 0.0 158.7 238.1#

44 0.0 6.4 9.6#





#5

2-Fluorophenol

Concen: 100.36 ng

RT: 5.119 min Scan# 30

Delta R.T. 0.000 min

Lab File: BF090088.D

Acq: 15 Sep 2016 13:22

Instrument :

BNA_F

ClientSampleId :

UST-1

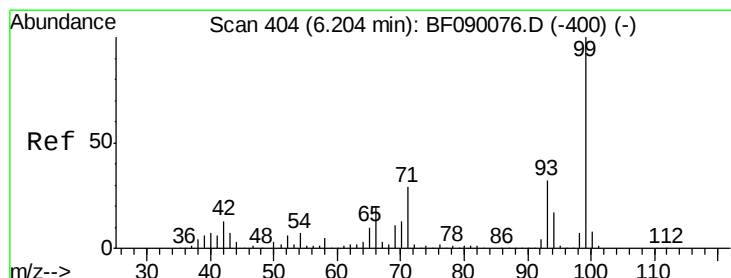
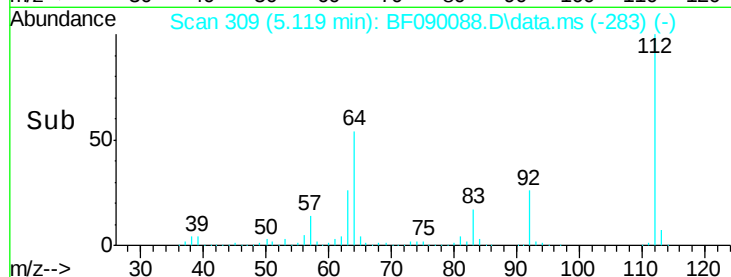
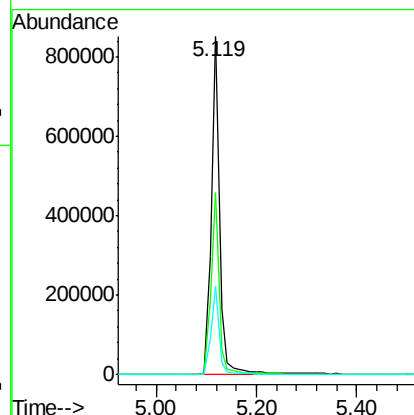
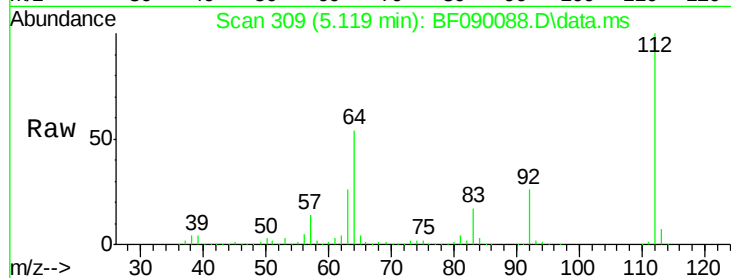
Tot Ion:112 Resp: 991357

Ion Ratio Lower Upper

112 100

64 54.0 39.8 59.6

63 26.3 18.9 28.3



#7

Phenol-d6

Concen: 114.16 ng

RT: 6.193 min Scan# 403

Delta R.T. -0.011 min

Lab File: BF090088.D

Acq: 15 Sep 2016 13:22

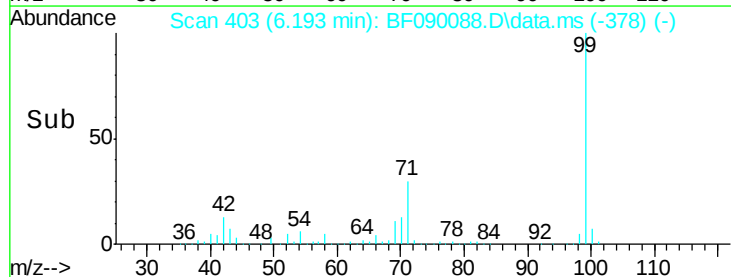
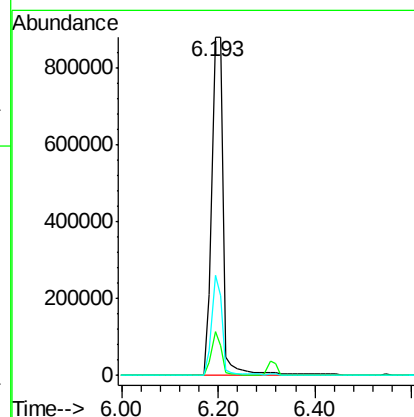
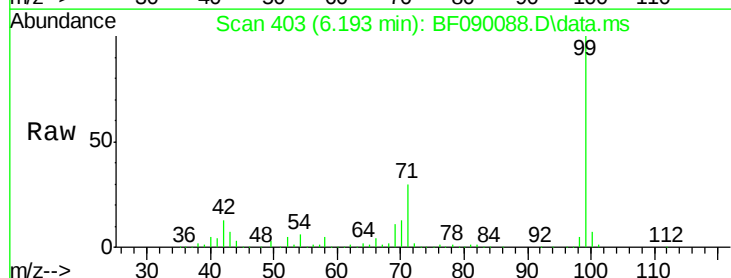
Tgt Ion: 99 Resp: 1476303

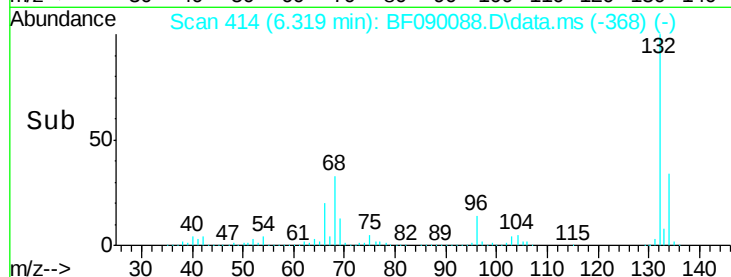
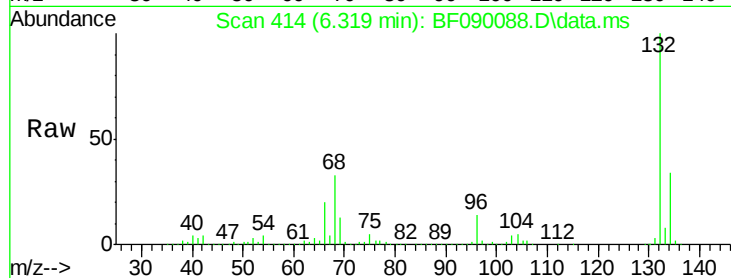
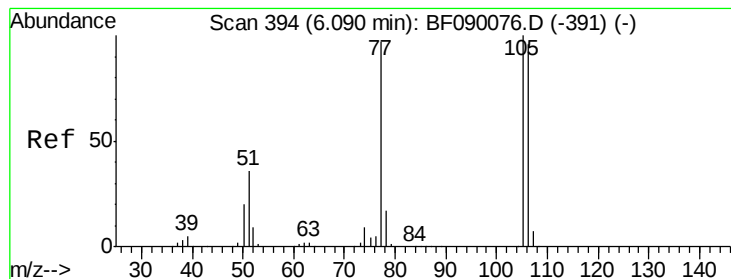
Ion Ratio Lower Upper

99 100

42 13.1 10.6 15.8

71 29.5 23.0 34.6





#9

Benzaldehyd

Concen: 3.21 ng

RT: 6.319 min Scan# 41

Delta R.T. 0.229 min

Lab File: BF090088.D

Acq: 15 Sep 2016 13:22

Instrument :

BNA_F

ClientSampleId :

UST-1

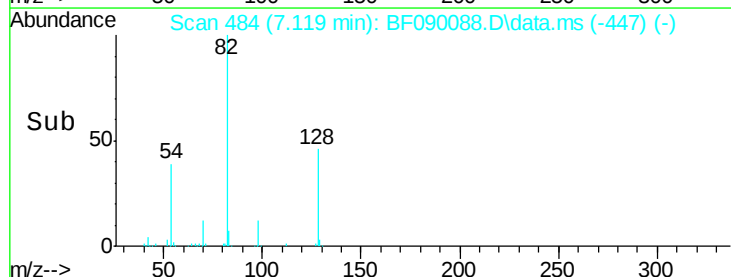
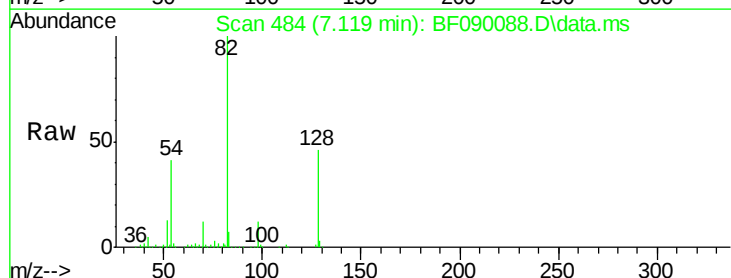
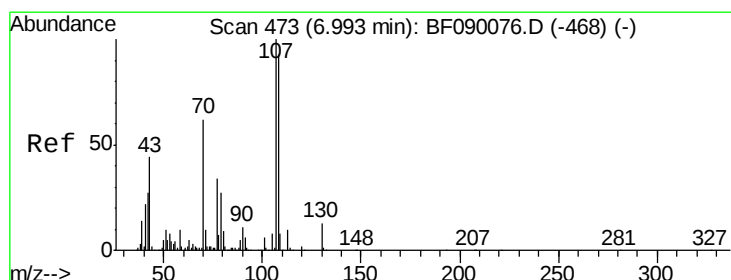
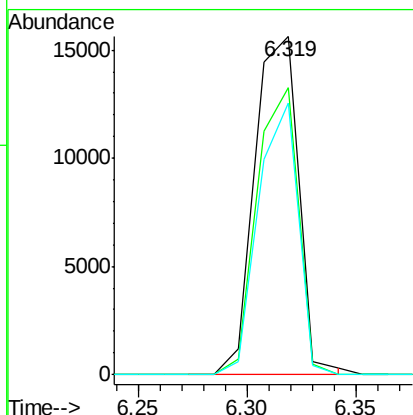
Tot Ion: 77 Resp: 22111

Ion Ratio Lower Upper

77 100

105 85.0 83.0 123.0

106 80.5 78.5 118.5



#19

n-Nitroso-di-n-propylamine

Concen: 12.60 ng

RT: 7.119 min Scan# 484

Delta R.T. 0.126 min

Lab File: BF090088.D

Acq: 15 Sep 2016 13:22

Tgt Ion: 70 Resp: 101294

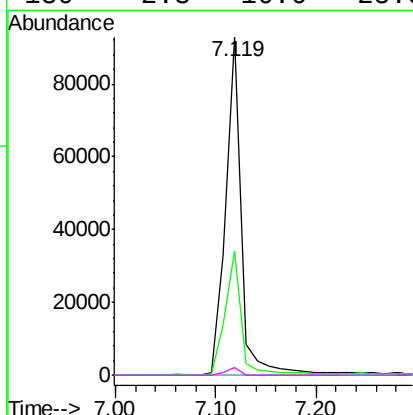
Ion Ratio Lower Upper

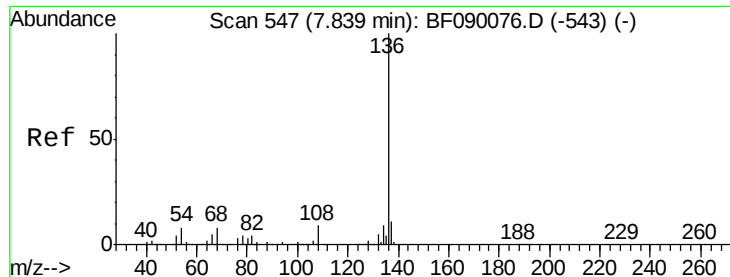
70 100

42 36.8 35.1 52.7

101 0.0 7.5 11.3#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.839 min Scan# 54

Delta R.T. 0.000 min

Lab File: BF090088.D

Acq: 15 Sep 2016 13:22

Instrument :

BNA_F

ClientSampleId :

UST-1

Tot Ion:136 Resp: 635068

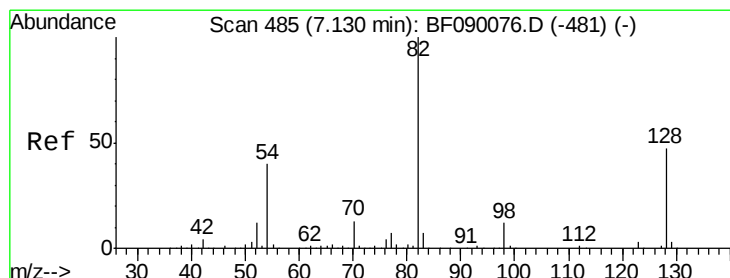
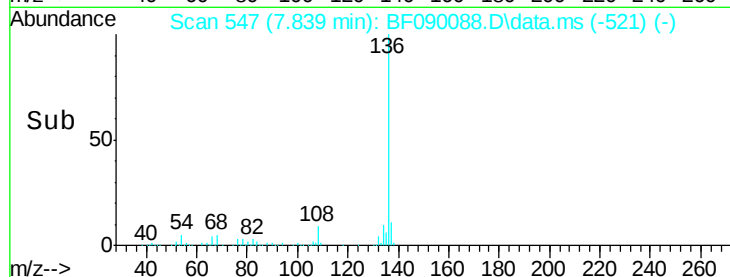
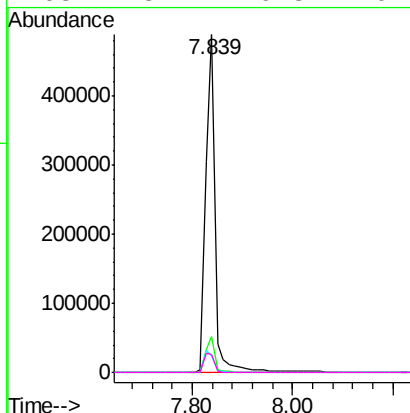
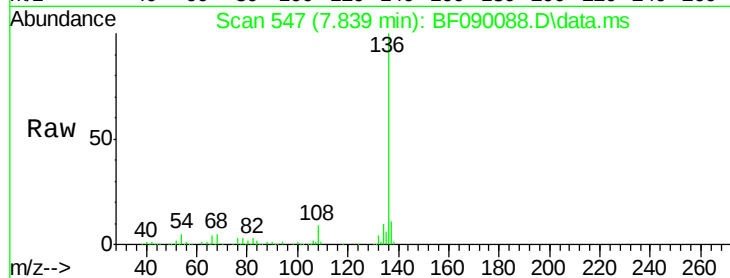
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 5.1 6.4 9.6#

68 5.4 6.3 9.5#



#23

Nitrobenzene-d5

Concen: 74.07 ng

RT: 7.119 min Scan# 484

Delta R.T. -0.011 min

Lab File: BF090088.D

Acq: 15 Sep 2016 13:22

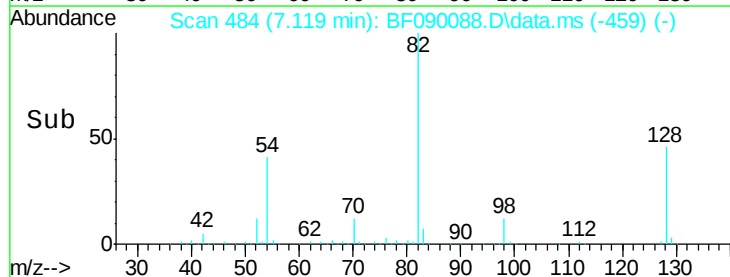
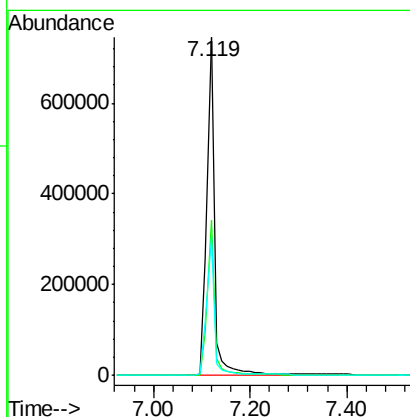
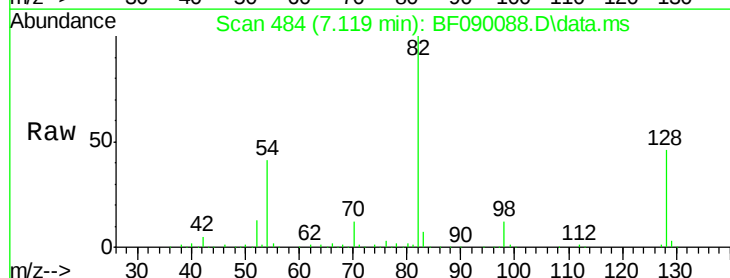
Tgt Ion: 82 Resp: 836646

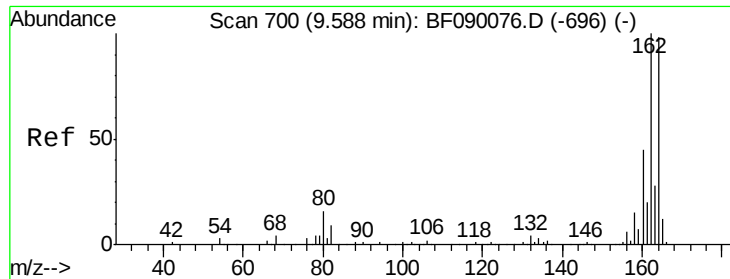
Ion Ratio Lower Upper

82 100

128 45.7 37.5 56.3

54 41.0 31.9 47.9

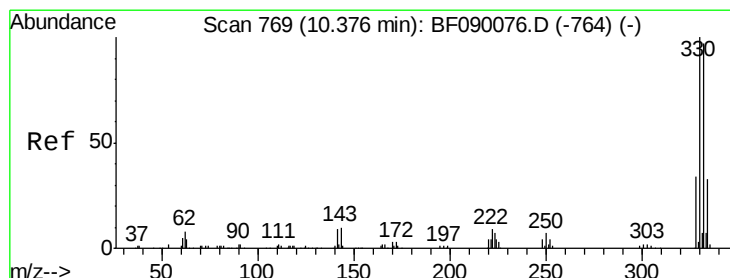
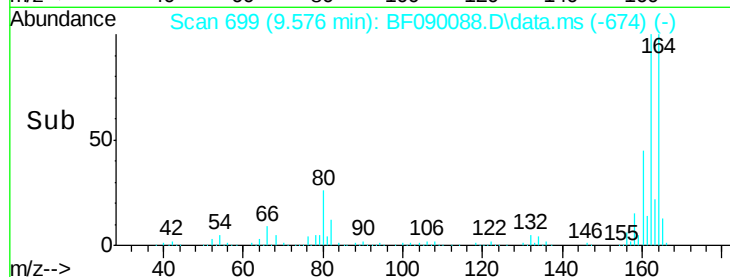
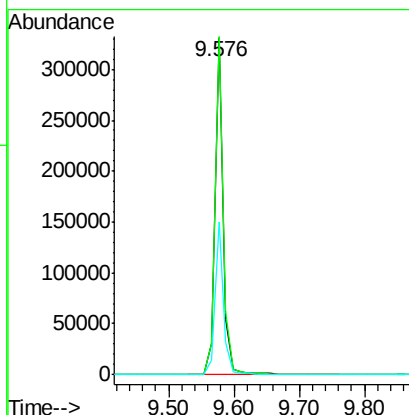
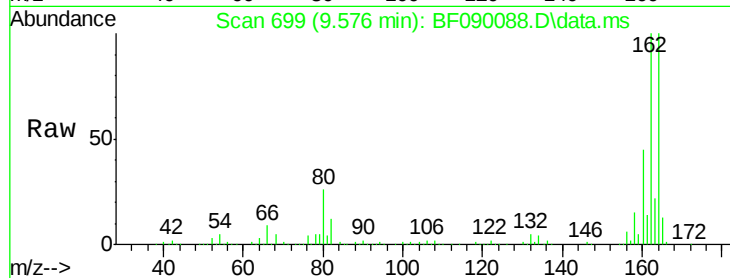




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.576 min Scan# 69
Delta R.T. -0.011 min
Lab File: BF090088.D
Acq: 15 Sep 2016 13:22

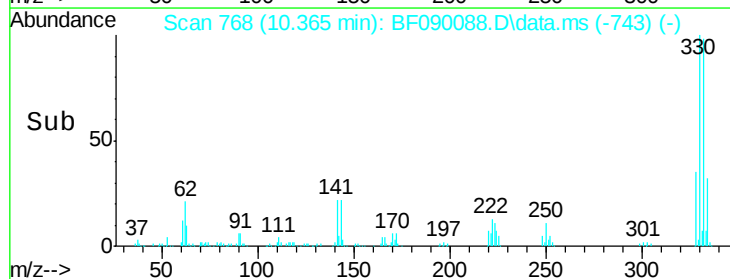
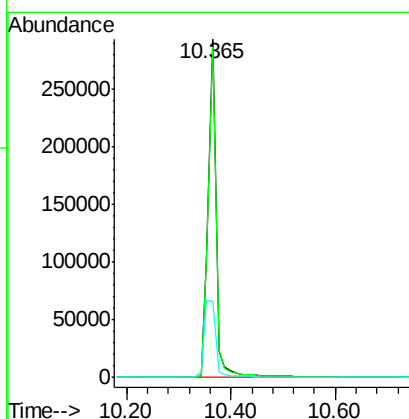
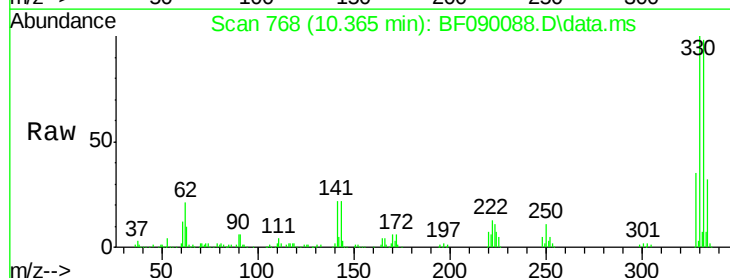
Instrument :
BNA_F
ClientSampleId :
UST-1

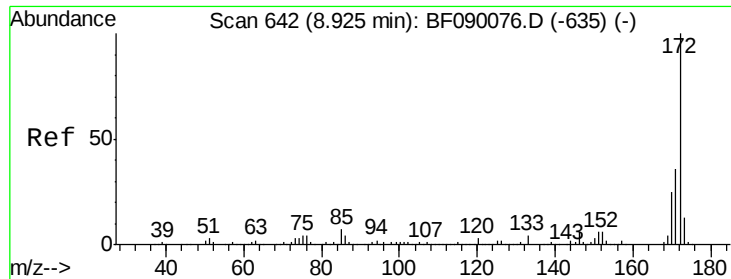
Tot Ion:164 Resp: 295770
Ion Ratio Lower Upper
164 100
162 100.4 81.4 122.2
160 45.4 36.6 54.8



#41
2,4,6-Tribromophenol
Concen: 104.76 ng
RT: 10.365 min Scan# 768
Delta R.T. -0.011 min
Lab File: BF090088.D
Acq: 15 Sep 2016 13:22

Tgt Ion:330 Resp: 311230
Ion Ratio Lower Upper
330 100
332 98.1 78.1 117.1
141 33.3 23.9 35.9

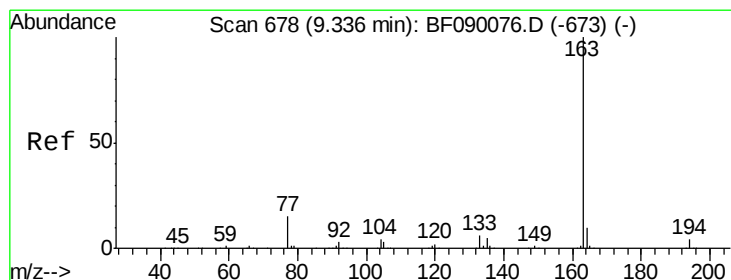
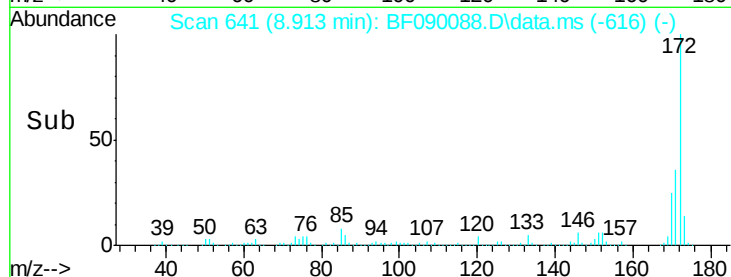
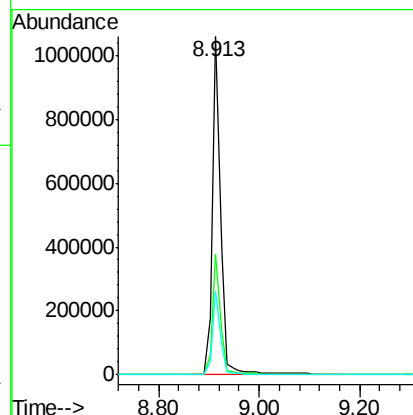
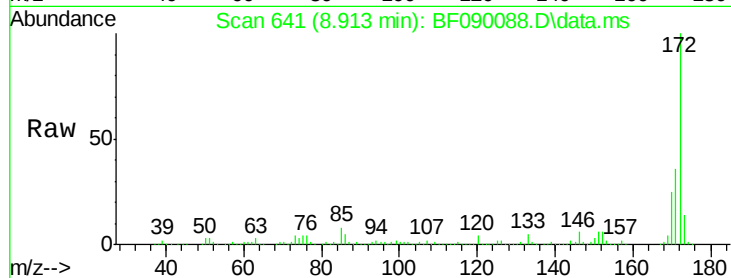




#44
2-Fluorobiphenyl
Concen: 64.09 ng
RT: 8.913 min Scan# 641
Delta R.T. -0.011 min
Lab File: BF090088.D
Acq: 15 Sep 2016 13:22

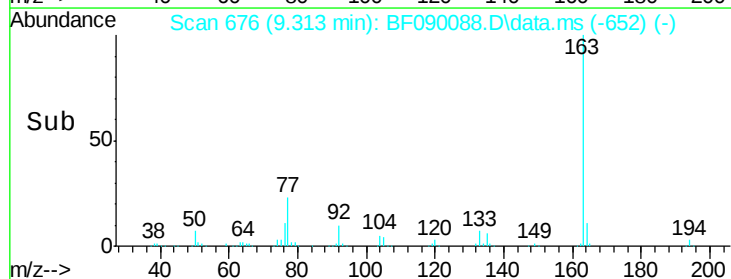
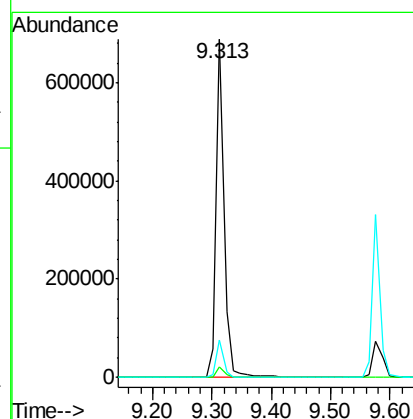
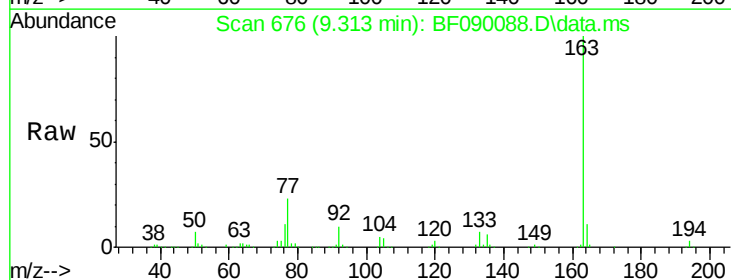
Instrument :
BNA_F
ClientSampleId :
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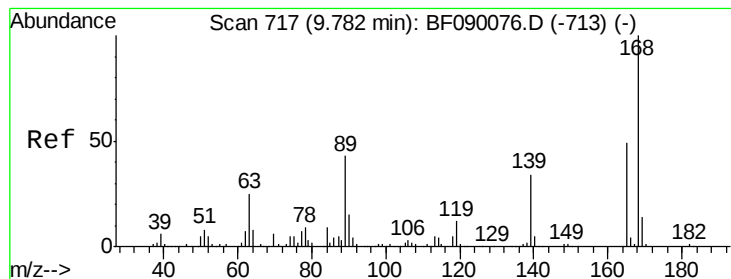
Tot Ion:172 Resp: 1207029
Ion Ratio Lower Upper
172 100
171 35.8 29.2 43.8
170 24.6 19.8 29.8



#49
Dimethylphthalate
Concen: 28.85 ng
RT: 9.313 min Scan# 676
Delta R.T. -0.023 min
Lab File: BF090088.D
Acq: 15 Sep 2016 13:22

Tgt Ion:163 Resp: 633788
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 10.9 8.1 12.1





#56

2,4-Dinitrotoluene

Concen: 6.27 ng

RT: 9.576 min Scan# 69

Delta R.T. -0.206 min

Lab File: BF090088.D

Acq: 15 Sep 2016 13:22

Instrument :

BNA_F

ClientSampleId :

UST-1

Tot Ion:165 Resp: 37552

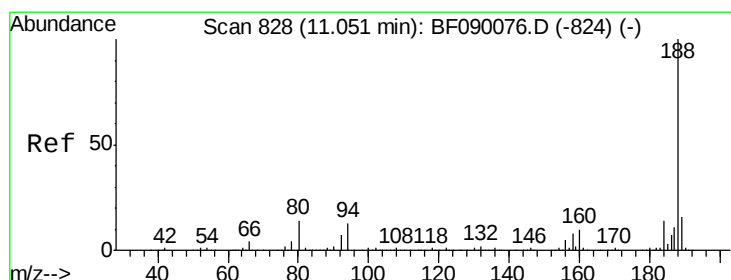
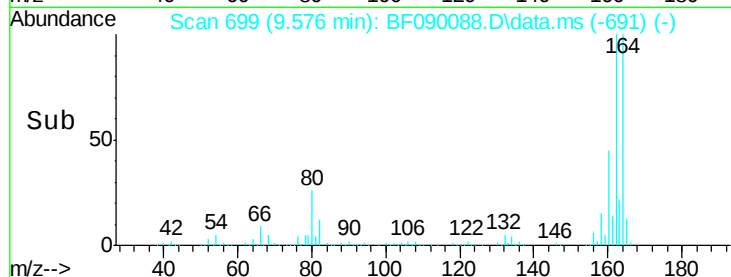
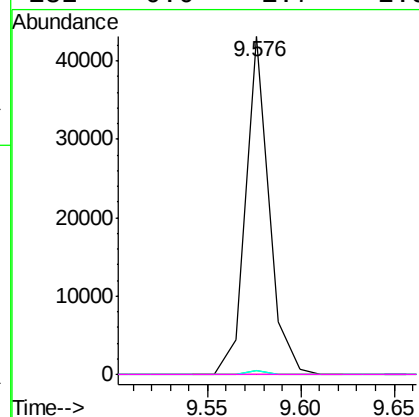
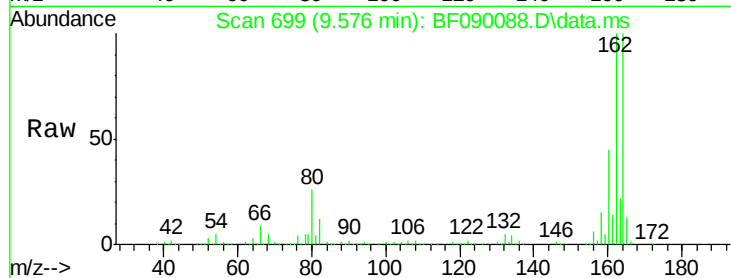
Ion Ratio Lower Upper

165 100

63 1.0 44.4 66.6#

89 1.3 70.1 105.1#

182 0.0 1.7 2.5#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.051 min Scan# 828

Delta R.T. 0.000 min

Lab File: BF090088.D

Acq: 15 Sep 2016 13:22

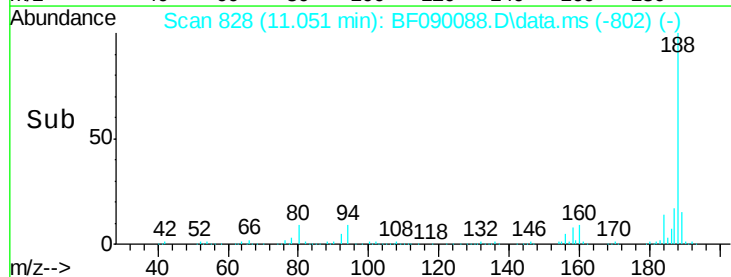
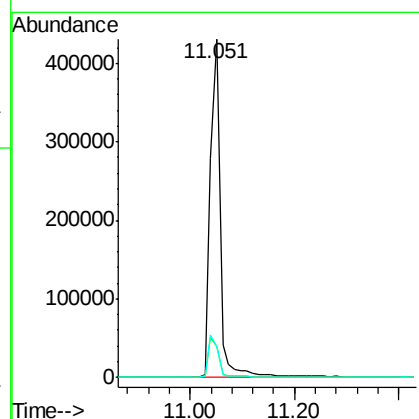
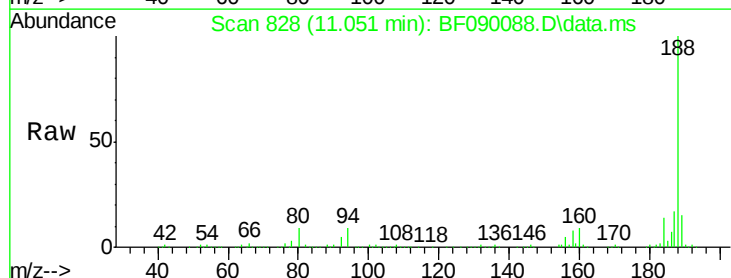
Tgt Ion:188 Resp: 569223

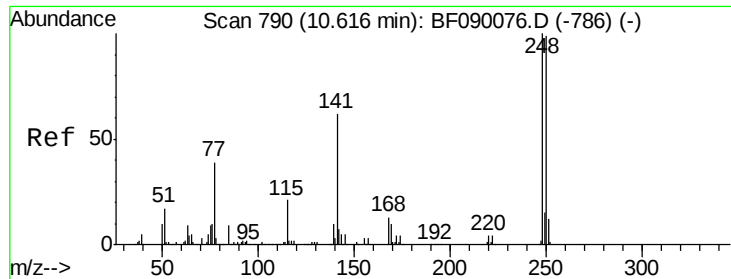
Ion Ratio Lower Upper

188 100

94 9.2 10.5 15.7#

80 9.0 11.2 16.8#

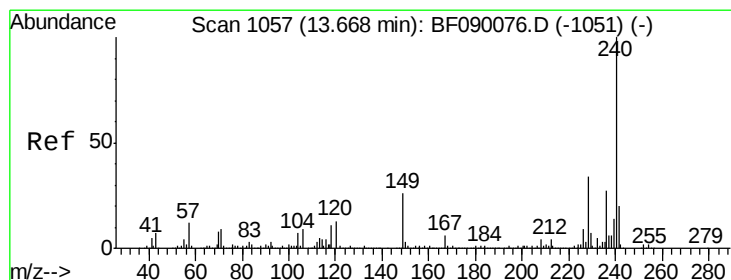
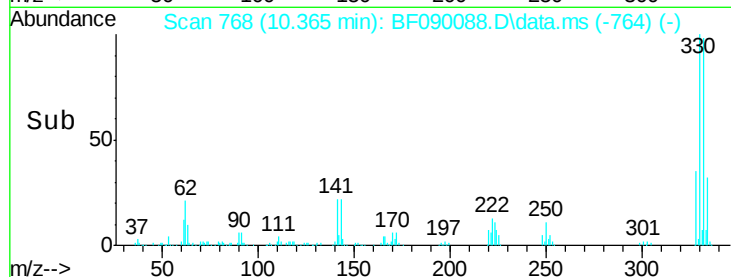
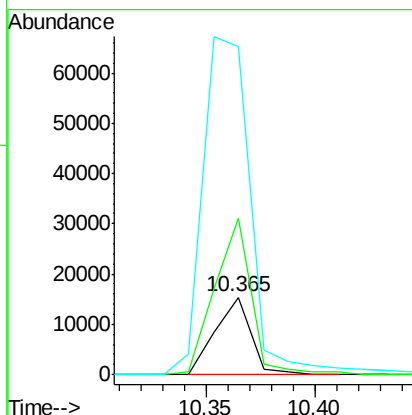
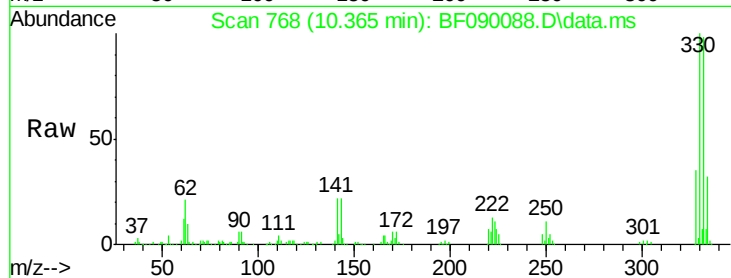




#66
4-Bromophenyl-phenylether
Concen: 3.16 ng
RT: 10.365 min Scan# 76
Delta R.T. -0.251 min
Lab File: BF090088.D
Acq: 15 Sep 2016 13:22

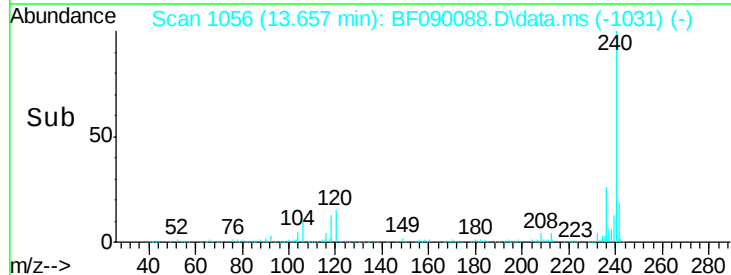
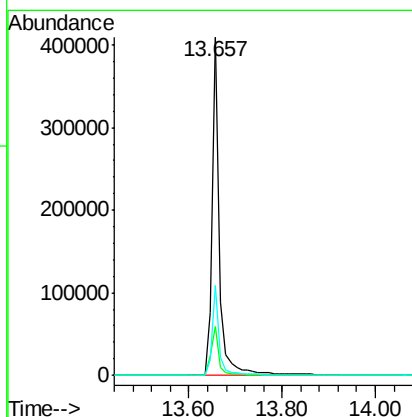
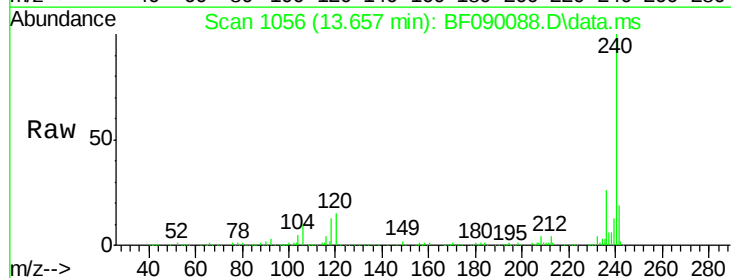
Instrument :
BNA_F
ClientSampleId :
UST-1

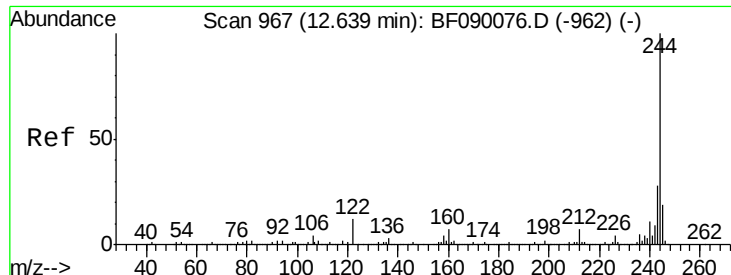
Tot Ion:248 Resp: 17359
Ion Ratio Lower Upper
248 100
250 202.1 79.4 119.2#
141 423.7 49.3 73.9#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.657 min Scan# 1056
Delta R.T. -0.011 min
Lab File: BF090088.D
Acq: 15 Sep 2016 13:22

Tgt Ion:240 Resp: 456365
Ion Ratio Lower Upper
240 100
120 14.6 10.6 16.0
236 26.5 21.6 32.4





#78

Terphenyl-d14

Concen: 55.77 ng

RT: 12.628 min Scan# 96

Delta R.T. -0.011 min

Lab File: BF090088.D

Acq: 15 Sep 2016 13:22

Instrument :

BNA_F

ClientSampleId :

UST-1

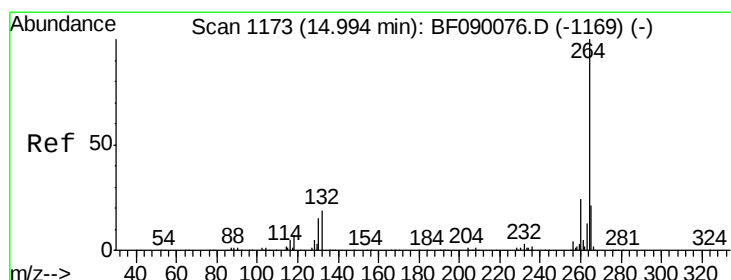
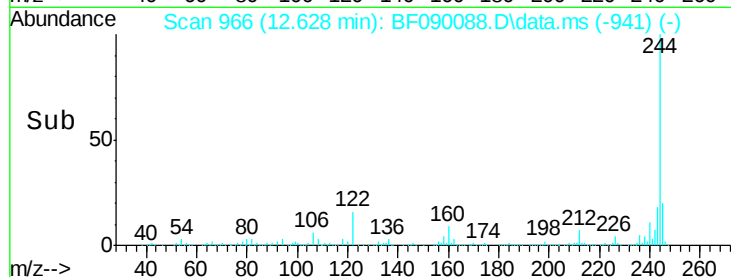
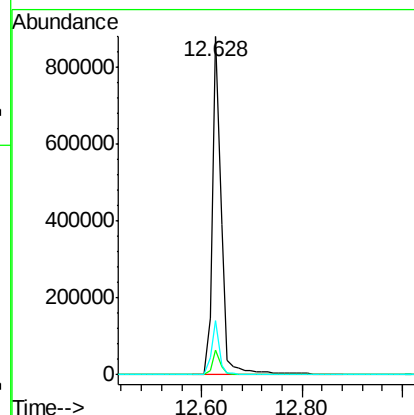
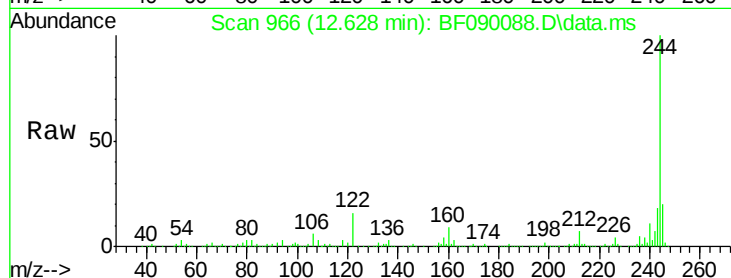
Tot Ion:244 Resp: 1071667

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

122 15.8 9.4 14.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.983 min Scan# 1172

Delta R.T. -0.011 min

Lab File: BF090088.D

Acq: 15 Sep 2016 13:22

Tgt Ion:264 Resp: 315276

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 21.9 17.0 25.4

